

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number	:	09/989,703	Confirmation No. 9614
Applicant	:	BULTERS et al.	
Filed	:	November 21, 2001	
Tech Cntr/AU	:	1711	
Examiner	:	S. McClendon	
Entitled	:	COATED OPTICAL FIBERS	
Attorney Reference	:	102456-40283256	
Customer Number	:	000043569	

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

August 12, 2004

INFORMATION DISCLOSURE STATEMENT

Mail Stop Fee Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is being filed after the issuance of a first action on the merits, but before a Final Rejection or a Notice of Appeal. Please charge the $180.00 fee associated with the submission of this paper to Deposit Account Number 503-121. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account; two copies of this page are attached for this purpose.

Applicants respectfully submit herewith information as cited on the attached PTO Form-1449 for consideration by the Examiner in the above-identified application. Each

item of information listed in the attached Form PTO-1449 is included in the attached International Search Report from the related International application.

This Information Disclosure Statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited to enable Applicants to comply fully.

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,
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FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office



Atty. Dkt. No.	M#	Client Ref.
	120456-40283256	D1098-CIP

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: BULTERS et al.

Application Serial No. 09/989,703

Filing Date: November 21, 2001

Date: August 12, 2004 Page 1 Of 1

Examiner: S. McClendon | Group Art Unit: 1711

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR						
	BR						
	CR						
	DR						
	ER						
	FR						
	GR						
	HR						
	IR						
	JR						
	KR						

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract		Translation Readily Available	
							Enclosed	No	Enclosed	No
	LR									
	MR									
	NR									
	OR									
	PR									
	QR									
	RR									
	SR									

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	TR	Proposal of the R-1102 coating composition, which was commercially available before November 22, 2000.								
	UR									
	VR									
	WR									
	XR									
	YR									

Examiner | Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Desolite™ R-1102 and **Desolite™ R-1166** were commercial fiber optic coatings available from JSR Corporation prior to November 22, 2000. These coatings were evaluated and are believed to have the following properties.

A first optical fiber was coated with a primary coating obtained by curing the R-1102 composition, that is believed to have included about 50wt% of an aromatic polyether urethane acrylate oligomer, about 40wt% of monofunctional acrylate reactive diluents having molecular weights below 500, about 1.5wt% photoinitiator, and about 1wt% silane adhesion promoter. It is believed that the composition did not include any di- or multifunctional reactive diluents (not taking into consideration the possible presence of impurities, e.g. by-products of the oligomer preparation etc.). The equilibrium modulus of this cured coating was determined to be about 1.43 MPa. The storage modulus of this cured coating was determined to be about 1.57 MPa and the cavitation strength at which a tenth cavitation appeared at a deformation rate of 0.20% min^{-1} was determined to be about 2.8 MPa.

A second optical fiber was coated with a primary coating obtained by curing the R-1166 composition, that is believed to have been substantially similar to the compositions exemplified in WO 99/52958 and WO 99/08975 (which are both already of record). The equilibrium modulus of the inner primary coating was determined to be about 0.45 MPa, the storage modulus for this cured coating was determined to be about 1.1 MPa and the cavitation strength at which a tenth cavitation appeared at a deformation rate of 0.20% min^{-1} was determined to be about 1.5 MPa. The relative Mooney plot of the R-1166 composition is attached (Examples 2 and Comparative Examples A & B of the present application are also included in the plot).